

# POLLUTION CONTROL AND SEWAGE SPILL PREVENTION AND RESPONSE PLAN



Carolina Crossroads  
I-20 30" Force Main  
Crossing

Updated: \_\_\_\_\_

The responses to comments  
on this 60% submittal have been  
reviewed by the City of Columbia and  
replies are included.

09/24/2024

Contractor is responsible  
for this work and not the  
City. Probably a topic for  
discussion.

This 60% submittal has been  
reviewed by the City of Columbia.  
Comments have been added, and  
it is being returned to HDR for  
response.

09/06/2024

Will remove City of Columbia logo from cover  
sheet and insert a blank for the contractor's  
logo.

**Okay**

## **POLLUTION CONTROL AND SEWAGE SPILL PREVENTION AND RESPONSE PLAN**

### **INTRODUCTION**

This Emergency Response Plan is designed to provide the plan of action in the event that a leak or spill occurs during the relocation of the 30" Force Main parallel to I-20 for the City of Columbia, SC. These procedures are designed to protect employees, the public and the environment from the potential harmful effects associated with sewage spills.

### **RESPONSIBILITY**

\_\_\_\_\_ (the Contractor) Project Manager & Site Superintendent and construction personnel will be responsible for the full compliance of the requirements of this plan. Responsibilities include determining the cause of, and stopping a sewer spill, containing the spill and disposal of spilled sewage to a proper location

### **MONITORING**

The existing 30" force main will be monitored by the Contractor's personnel twice a day during work hours before construction begins and at the completion of the day. This physical monitoring will include the visual inspection of the entire length of the existing line between the tie in locations.

### **REPORT OF A SPILL OR LEAK ON THE EXISTING 30" FORCE MAIN**

In the event that a spill or leak is found during the visual inspection of the existing 30" force main the Contractor will inform the project team personnel listed below. This includes the City of Columbia and DHEC personnel. The alert will come from one of the following lead personnel with the Contractor.

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One of the above mentioned persons will alert the following agencies or personnel:

Herschel Taylor Lift Station Supervisor	803-626-2332
Stephen Sealey (WW Operations Manager)	803-465-7331
Waste Water Maintenance	803-545-3910
Jody Harley (WW Maintenance)	803-600-5618
John Riggs (Deputy Director)	803-528-4238
DHEC (emergency)	803-253-6488

## **SPILL NOTIFICATION**

In the event that a spill is found by someone other than the Contractor the below contacts are provided. The designated emergency personnel will mobilize to the site immediately to begin containment of the spill and repair of 30" force main. Below is the list of the Contractor's employees designated as emergency responders. They will be contacted by the Contractor's representative:

1<sup>st</sup>        \_\_\_\_\_ (    ) \_\_\_\_ - \_\_\_\_ (primary contact)

2<sup>nd</sup>        \_\_\_\_\_ (    ) \_\_\_\_ - \_\_\_\_ (secondary contact)

Emergency Personnel

\_\_\_\_\_  
\_\_\_\_\_

## **MINOR REPAIR**

The Contractor will have the designated emergency response personnel that will mobilize to the site in the event that a break or leak occurs in the 30" force main system. This crew will include equipment, tools, and the necessary materials to deal with a minor repair that is needed to the 30" force main. Additionally, the Lift Station Supervisor will be contacted by the Contractor to request that flows from the Saluda River Pump Station be diverted to the holding tanks to minimize any migration of sewer from the leak location. The emergency response personnel will have a repair band for 30" pipe, a 6" pump with discharge hose, pipe cutting equipment, excavators, loaders, and all necessary lifting slings to make minor repairs to the 30" force main. To minimize the migration of sewer from the leak location, the Contractor will utilize ditching and dig a containment area to hold the sewer during the repair. We will also contact a local pump truck service company to aid in transporting the released sewer to the closest downstream manhole.

## **CATASTROPHIC FAILURE**

In the unlikely event that the 30" force main completely fails or a break and the line cannot be repaired with a repair band, the Contractor will always maintain the option of using the new adapters, new 30" ductile iron and sleeves that are designated for the tie ins to repair the force main. This option will be closely coordinated with City of Columbia, DHEC and all subcontractors working under the Contractor. This option will require ditching, containment area excavation, pump and hauling, and possible bypass pumping to the air release located downstream of the leak on the existing 30" force main.

## **SEWER SPILL DOCUMENTATION**

In case of a sewage spill, the Contractor shall act immediately without instructions from the Owner's Representative, to control the spill and take all appropriate steps to contain it in accordance with the Pollution Control and sewage Spill Prevention and Response Plan. The Contractor shall immediately notify the Owner's Representative of a spill and all actions taken. The Contractor shall, within three working days from the occurrence of the spill, submit to the

Owner's Representative a written confirmation describing the following information related to the spill:

- A. Nature and volume
- B. Specific location, date and time
- C. Duration
- D. Cause
- E. Type of remedial and/or clean up measures taken and the date and time of implementation
- F. Corrective and/or preventative actions taken
- G. Water body impacted and results of any necessary monitoring

The spill report will come from the following Contractor personnel:

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**Appendix A**  
**SSO Field Record Form**



We Are Columbia

## City Of Columbia Sewer System Overflow Field Record Form

Effected County: ☐ RICHLAND ☐ LEXINGTON

Date SSO Failure: \_\_\_\_\_ Time: \_\_\_\_\_ Response Person: \_\_\_\_\_  
(Military Format) (City Personnel)

Date SC DHEC Notified: \_\_\_\_\_ Time: \_\_\_\_\_ Person Contacted: \_\_\_\_\_  
(Military Format) (SC DHEC Personnel)

Description of Source: ☐ CLEANOUT ☐ MANHOLE ☐ FORCEMAIN  
☐ PUMP STATION ☐ OTHER

Asset ID (Manhole ID, Pipe ID): \_\_\_\_\_

Location of SSO/Failure: \_\_\_\_\_  
(Street address) (City, State, Zip)

Basin: ☐ BROAD RIVER ☐ CRANE CREEK ☐ GILLS CREEK ☐ MILL CREEK  
☐ ROCKY BRANCH ☐ SALUDA RIVER ☐ SMITH BRANCH ☐ WEST COLUMBIA

City Limits: ☐ INSIDE ☐ OUTSIDE

Contributing Area: ☐ Apartment, ☐ Residential ☐ OTHER : \_\_\_\_\_  
☐ Commercial ☐ Plant Related

Cause of SSO/Failure: ☐ 3<sup>RD</sup> PARTY ☐ COLLAPSED ☐ DEBRIS ☐ FORCEMAIN  
☐ GREASE ☐ PLANT PUMP STATION ☐ ROOTS  
☐ WET WEATHER

Control Action Taken to Minimize Flow: \_\_\_\_\_

Corrective Action Taken : \_\_\_\_\_

Estimate volume of wastewater released: \_\_\_\_\_  
(In Gallons)

Calculation Method Used: \_\_\_\_\_

Did wastewater enter a stream, body of water, storm drain or ditch? Yes ☐ No ☐

If Yes, Where? \_\_\_\_\_  
(Name of water body)

Was Public Notification Issued? Yes ☐ No ☐ If Yes, What type? ☐ BANNER/SIGN  
☐ BANNER/MEDIA  
☐ DOOR HANGERS  
☐ MEDIA NOTIFICATION

**\*Greater than 1000 gallons & entered water or greater than 5000 gallons\***

Date / Time Compliance was notified? \_\_\_\_\_

Date Corrective Action Completed: \_\_\_\_\_ Time: \_\_\_\_\_ Work Order No.: \_\_\_\_\_  
(Military Format)

Date Cleanup Action Taken: \_\_\_\_\_ Time: \_\_\_\_\_ Work Order No.: \_\_\_\_\_  
(Military Format)

Describe actual cleanup process: \_\_\_\_\_

Circle, Check, or fill in the appropriate answer based on what you observed:

Where did the SSO occur: Homeowner cleanout ☐ City cleanout ☐ Manhole ☐

If at a cleanout, was the cleanout cap on when you arrived? ☐ Yes ☐ No ☐ No cap present

Was the spill observed active when you arrived? ☐ Yes ☐ No

Did City staff remove the cleanout cap? ☐ Yes ☐ No

Evidence of SSO? ☐ Yes ☐ No

If Yes, what evidence? \_\_\_\_\_

Did the SSO leave the original property? ☐ Yes ☐ No

Did the SSO occur because we washed the line: ☐ Yes ☐ No

Does the property have Homeowner Cleanout: ☐ and/ or City Cleanout: ☐

Where was stoppage located: Homeowner ☐ City side ☐

From which location did we wash or rod the line H/O cleanout ☐ City Cleanout ☐ Mainline ☐  
and how far in feet: \_\_\_\_\_

From which location did we CCTV from: H/O cleanout ☐ City Cleanout ☐ Mainline ☐  
and how far in feet: \_\_\_\_\_

What was found during the CCTV? ☐ Defect ☐ Collapse ☐ Grease ☐ Roots ☐ Belly ☐ Other  
Describe: \_\_\_\_\_